KONSTANTINOV, A.R.; KISILENKO, A.A.

Some problems in improving the methodology of measuring precipitation. Trudy UkrNIGMI no.39:112-125 '63. (MIRA 16:7)

(Precipitation—Measurement)

ACCESSION NR: AT4028742 S/2531/63/000/144/0059/0067

AUTHOR: Ariyel', N. Z.; Byutner, E. K.; Konstantinov, A. R.

TITLE: Method and results of investigating spectral characteristics of turbulent pulsations in the surface layer of the atmosphere

SOURCE: Leningrad. Gl. geofiz. observ. i Ukr. n.-i. gidrometeorol. inst. Trudy*, no. 144/40, 1963. Fizika pogranichnogo sloya atmosfery* (physics of the atmospheric boundary layer); Dneprovskaya expeditsiya GGO i UkrNIGMI, 59-67

TOPIC TAGS: surface layer, spectral characteristic, turbulent pulsation, Dnieper expedition, Constantan alloy

ABSTRACT: In this paper, the authors present a method of spectral expansion of pulsation energy of weather elements in recording instantaneous values of the measured magnitude. Results of spectral analysis and module and pulsation wind velocity u are derived, together with the vertical component, the velocity w, the direction of the wind a, and the temperature T; these are presented in a series of separate records obtained in the Dnieper expedition (GGO) jointly with the UkrNIGMI. Two characteristics from which it is possible to obtain the spectral function W(ω) were calculated according to the experimental records of the pulsation values of the

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ACCESSION NR: AT4028742

measured magnitudes: 1) the structural function $D(\tau)$ and 2) the magnitude of the mean quadratic dispersion of the measured value $\sigma_2(t)$ dependent on the averaging time t. The experimental method is based on the use of the cooling intensity of a heated wire located in an air flow on the velocity and running angle of the flow in the wire. The cooling intensity dependence on the velocity is used for determining the value of the flow velocity; the cooling intensity dependence on the running angle is used for determining its vertical components. A Constantan wire with a diameter of 100 μ is used. The results of the experiment are presented in graphs. Orig. art. has: 8 figures and 6 formulas.

ASSOCIATION: Leningradskaya glavna geofizicheskaya observatoriya (Principle Geophysical Observatory of Leningrad)

SUBMITTED: 00 DATE ACQ: 16Apr64 ENCL: 00

SUB CODE: AS NO REF SOV: 004 OTHER: 003

Card 2/2

ACCESSION NR: AT4028747 S/2531/63/000/144/0088/0095

AUTHOR: Vorontsov, P. A.; Galadzhiy, N. M.; Konstantinov, A. R.

TITLE: Investigation of the distribution of certain structural characteristics of the vertical air flow

SOURCE: Leningrad. Gl. geofiz. observ. i Ukr. n.-i. gidrometeorol. inst. Trudy*, no. 144/40, 1963. Fizika pogranichnogo sloya atmosfery* (physics of the atmospheric boundary layer); Dneprovskaya expeditsiya GGO i UkrNIGMI, 88-95

TOPIC TAGS: Karman constant, wind velocity, turbulence, thermoanemograph

ABSTRACT: Distribution of pulsations of the horizontal and vertical components of wind velocity, the horizontal and vertical expansion of atmospheric turbulence, the Karman constant, and the values and the coefficient of turbulent exchange in the layer from 0.5 to 300 m is examined under various thermodynamic conditions. The structure of the air flows from an altitude of 0.5 m to altitudes of 300 m were investigated in the joint expedition of GGO, UkrNIGMI and LGMI. In the lower layers 0.5 and 2.0 m altitude, the wind structure was investigated with the aid of a thermo-anemograph, and in the upper layers, from 3 to 300 m, with an aid of a mechanical register of turbulent flow pulsations attached to a captive balloon. The dependences

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ACCESSION NR: AT4028747

of the horizontal expansion of vortexes and the dependence of the Karman constant on the altitude and temperature stratification of the atmosphere according to the thermoanemograph and the mechanical register are presented in a table. The dependence of the coefficient exchange on the altitude at various Richardson numbers and the temperature stratification of the atmosphere for various altitudes is presented in a graph; the authors draws the conclusion that if it is assumed that the value of the exchange coefficient in equilibrium stratification is unity, then the relative change in the intensity of the turbulent volume, dependent on the stratification of the atmosphere, is expressed more clearly at altitudes of 100, 200, and 300 m than at altitudes of 3.0 m. Consequently, with an increase of altitudes the effect of stratification increases. Orig. art. has: 4 figures, 3 tables and 4 formulas.

ASSOCIATION: Leningradskaya glavna geofizicheskaya observatoriya (Principle Geophysical Observatory of Leningrad)

SUBMITTED: 00 DATE ACQ: 16Apr64 ENCL: 00

SUB CODE: AS NO REF SOV: 014 OTHER: 008

Card 2/2

KONSTANTINOV, A.R.; SARAL, I.I.; PERELET, N.A.

Heat exchange regime in the soil in the Ukraine and Moldavia.
Trudy UkrNIGMI no.41:51-69 '64. (MIRA 18:1)

L 10412-65 EWT(1)/FCC ASD(f)-2/AFETR/ESD(t) GW

ACCESSION NR: AT4046359 S/2599/64/000/041/0087/0094

AUTHOR: Galadzhiy, N. M.; Konstantinov, A. R.; Belousov, V. V.

TITLE: Results of an experimental investigation of the structural characteristics of air flow in the surface boundary layer of the atmosphere

SOURCE: Kiyev. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut. Trudy*, no. 41, 1964. Voprosy* teplovogo i vodnogo balansa (Problems of heat and water balance), 87-94

TOPIC TAGS: atmospheric boundary layer, atmospheric turbulence, atmospheric stability, atmospheric boundary layer turbulence, air current structure, micrometeorology

ABSTRACT: In an effort to determine more precisely the mechanism of turbulent transfer, the Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut (Ukrainian Scientific Research Hydrometeorological Institute) conducted a study of the structural characteristics of turbulent air flow in the surface layer of the atmosphere.

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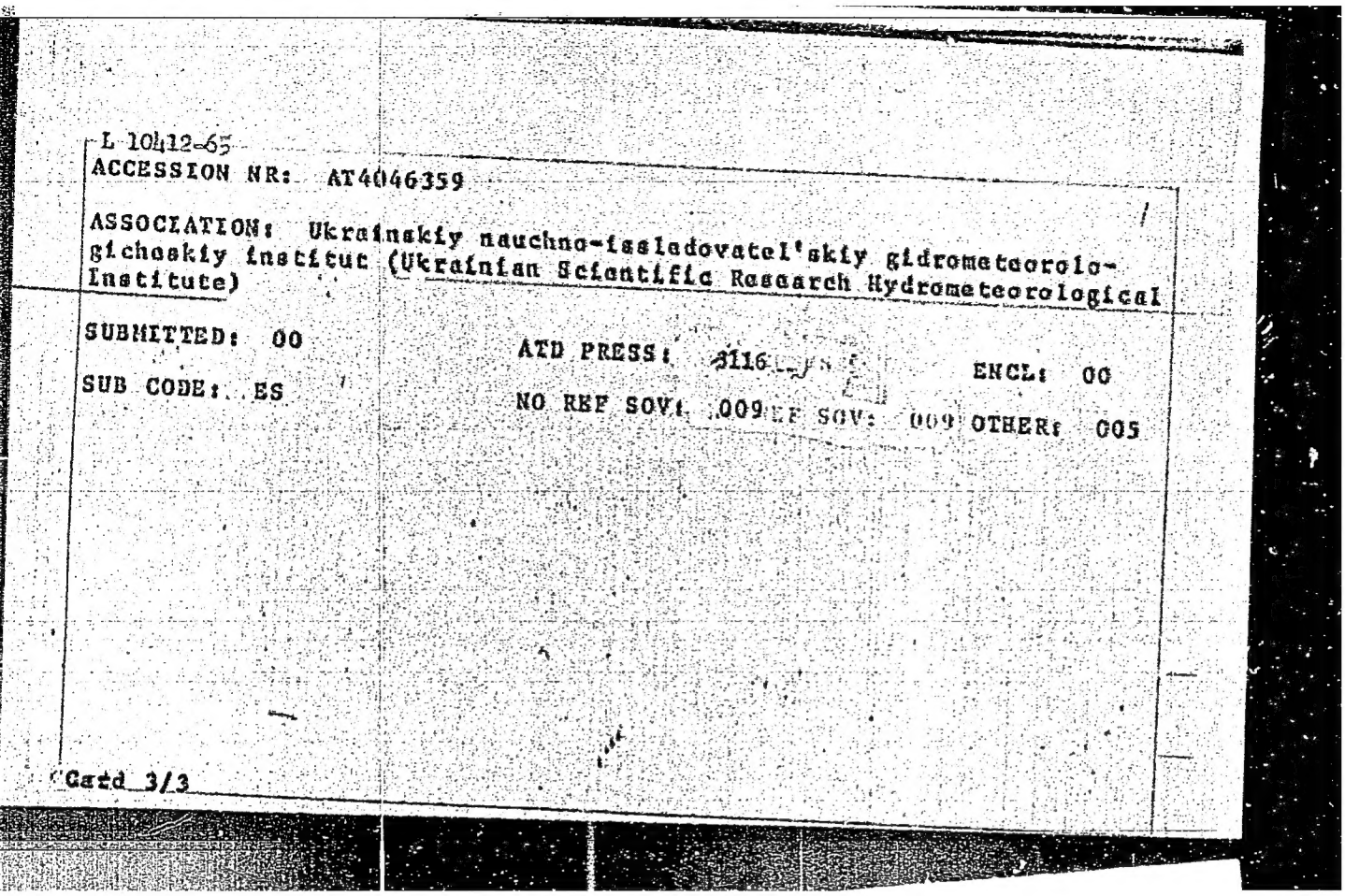
L 10422-65
ACCESSION NR: AT4046359

The dependence of the structural characteristics of turbulence and the coefficient of turbulent exchange on atmospheric temperature stratification and the height above the underlying surface were investigated. Variations in air turbulence (instantaneous values of the horizontal and vertical velocity components) and temperature were recorded by means of a low-inertia thermoanemograph whose design and operation are described in detail. A total of 176 10-minute recordings were made at 0.25, 0.50, 1.0, and 2.0 m. The results obtained showed that: 1) under very stable stratification conditions the average velocities of ascending vertical pulsations exceed those of descending vertical pulsations; 2) the vertical wind velocity to horizontal wind velocity ratio is about 0.5 at 1 m, and varies little and unevenly with different stratification conditions; 3) the coefficient of correlation between vertical and horizontal pulsations is almost independent of stratification, varying between 0.2 and 0.3 and averaging about 0.35; 4) the vertical extent of eddies increases with decreased stability of atmospheric stratification; 5) the effect of temperature stratification on the intensity of turbulent exchange decreases with proximity to the underlying surface. Orig. art. has: 2 figures, 5 formulas, and 2 tables.

Card 2/3



L 10412-65
ACCESSION NR: AT4046359

ASSOCIATION: Ukrainskiy nauchno-issledovatel'skiy gidrometeorolo-gicheskiy institut (Ukrainian Scientific Research Hydrometeorological Institute)

SUBMITTED: 00 ATD PRESS: 3116 ENCL: 00

SUB CODE: ES NO REF SOV: 009 OTHER: 005

Card 3/3

L 10680-65 EWT(1)/EWG(v)/FCC Pe-5/Pae-2 ESD(t) GW

ACCESSION NR: AT4046360 S/2599/64/000/041/0095/0115

AUTHOR: Konstantinov, A.R., Goysa, N.I., Kudina, A.V., Levenko, A.A. B

TITLE: Consideration of lags in the temperature and humidity of the air for diurnal and seasonal variations at a height of 2 meters

SOURCE: Kiyev. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut. Trudy*, no. 41, 1964. Voprosy* teplovogo i vodnogo balansa (Problems of heat and water balance), 95-115

TOPIC TAGS: atmospheric humidity, atmospheric temperature, diurnal temperature variation, seasonal temperature variation, diurnal humidity variation, seasonal humidity variation, temperature lag, humidity lag, lower atmosphere, weather forecasting

ABSTRACT: At meteorological stations, all variables are measured at one height, the temperature and humidity at other heights being obtained indirectly by also measuring them at ground level and thus obtaining the gradient. The authors discuss the method hitherto used for correcting diurnal variations by noting the difference between an idealized, symmetrical curve (with respect to noon) and the actual curve observed at various times. This gives a stationary relationship between soil and air temperature, that is, a profile of

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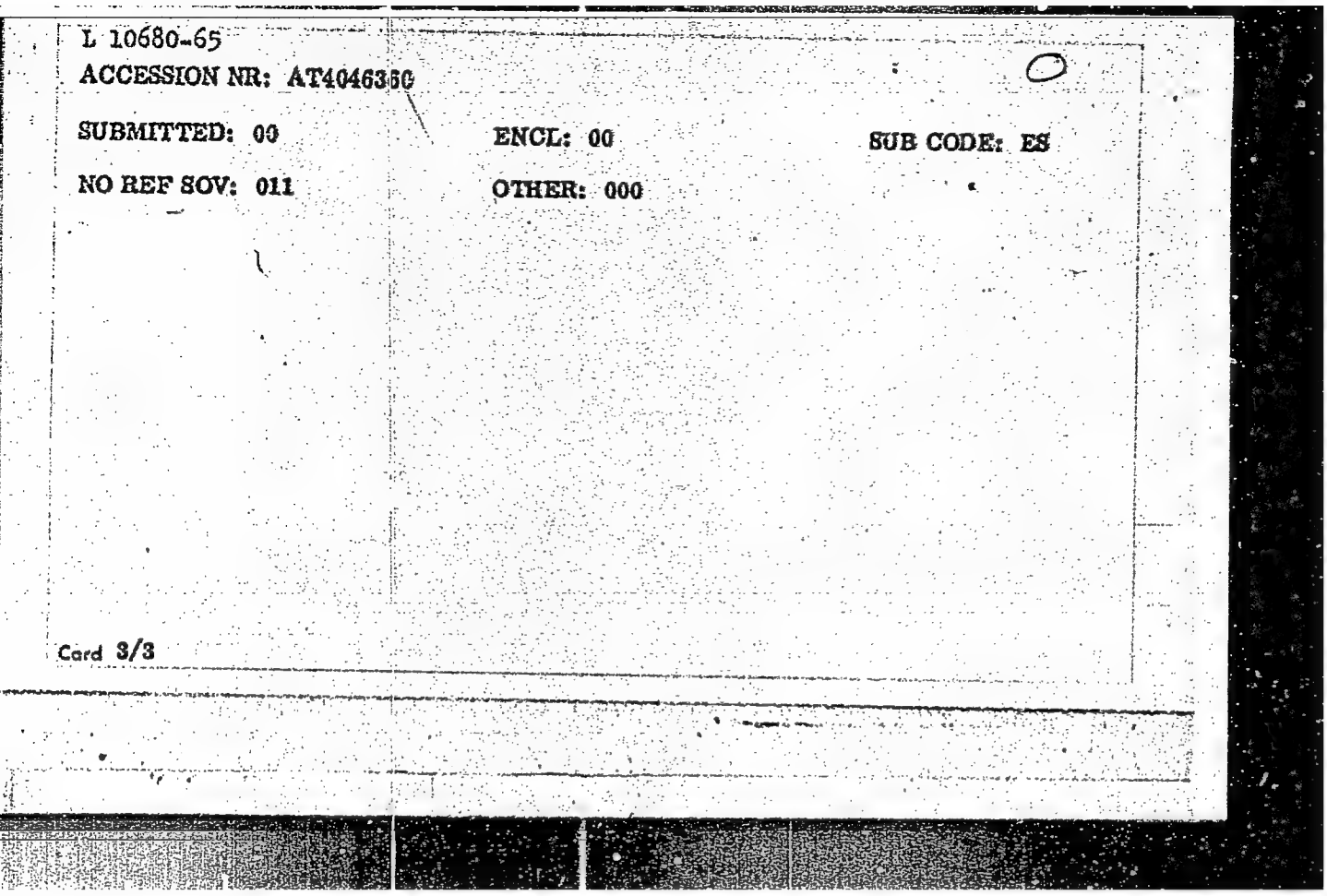

L 10680-65
ACCESSION NR: AT4046360

SUBMITTED: 00 ENCL: 00 SUB CODE: ES

NO REF SOV: 011 OTHER: 000

Card 3/3

L 10411-65 EWT(1)/FCC AFETR GW

ACCESSION NR: AT4046361 S/2599/64/000/041/0116/0125

AUTHOR: Konstantinov, A. R.; Tkachenko, A. V. B

TITLE: Investigation of the wind velocity profile in the lower 2-m layer of the air

SOURCE: Kiyev. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut. Trudy*, no. 41, 1964. Voprosy* teplovogo i vodnogo balansa (Problems of heat and water balance), 116-125

TOPIC TAGS: wind velocity, vertical wind velocity, vertical wind velocity profile, atmospheric boundary layer, boundary layer wind velocity

ABSTRACT: The effect of height, temperature stratification, and the underlying surface on the vertical profile of meteorological elements is critical in determining the vertical turbulent flow of substances in the surface boundary layer of the atmosphere. An analysis is made of 119 vertical wind-velocity profiles recorded in the 0—2-m layer under different temperature-stratification conditions (26 inversions

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L 10411-65
ACCESSION NR: AT4046361

and 93 stable). It is demonstrated that when pronounced temperature stratifications occur, the relationship between the wind profile and height is much more complex than is indicated by generalized logarithmic, power, exponential, or universal laws on the measurement of meteorological elements with height. Orig. art. has: 3 figures and 20 formulas.

ASSOCIATION: Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut (Ukrainian Scientific Research Hydrometeorological Institute)

SUBMITTED:	00	ATD PRESS:	3116	ENCL:	00
SUB CODE:	ES	NO REF SOV:	014	OTHER:	000

Card 2/2

KONSTANTINOV, A.R.; GOYSA, N.I.; CHEYNIK, R.N.

Relation of transpiration to the spectral composition of irradiation. Trudy UkrNIGMI no.41:126-134 '64.

(MIRA 18:1)

KONSTANTINOV, A.R.; KISILENKO, A.A.; PIKUSH, N.V.; MIRMOVICH, L.A.; BELOUSOV, V.V.; VITKOVSKIY, B.I.

Experimental study of methods of measuring liquid precipitation. Trudy UkrNIGMI no.41:163-185 '64. (MIRA 18:1)

KONSTANTINOV, A.R.; OLYEYNIK, R.N.

Hydrometeorological fundamentals of irrigation farming. Trudy UkrNIGMI no.44:3-15 '64. (MIRA 17:11)

KONSTANTINOV, A.R.

Method of determining the average moisture reserves in the soil with a calculation of the rainfall. Trudy UkrNIGMI no.44:46-48 '64.
(MIRA 17:11)

KONSTANTINOV, A.R.; SAKALI, L.I.

Climate-producing role of components of heat and water balance of the earth's surface. Trudy UkrNIGMI no.71:70-86 '64.
(MIRA 18:1)

KONSTANTINOV, A.R.; GOYSA, N.I.; KUDINA, A.V.; LEVENKO, A.A.

Calculation of the delay of temperature and humidity in the diurnal and seasonal variation at a height of 2 m. Trudy UkrNIGMI no.41:95-115 '64. (MIRA 18:1)

KONSTANTINOV, A.R.; OLEYNIK, R.N.

Determining the evaporativity (maximum possible evaporation) from farm fields. Trudy UkrNIGMI no.41:135-153 '64.

(MIRA 18:1)

KONSTANTINOV, Aleksey Rodionovich; STRUZER, Lev Romanovich; GOL'TSBERG, I.A., otv. red.; SHTANNIKOVA, L.I., red.

[Shelterbelts and crops] Lesnye polosy i urozhai. Leningrad, Gidrometeoizdat, 1965. 175 p. (MIRA 18:10)

KONSTANTINOV, A.R.; DMITRENKO, V.P.

Relation of yield to hydrometeorological factors. Trudy Ukr NIGMI no.49:106-115 '65. (MIRA 18:8)

KONSTANTINOV, A.R.; KISILENKO, A.A.

Experimental studies of the accuracy of measuring liquid precipitation with various instruments. Trudy GGO no.175 143-154 '65. (MIRA 18:8)

1. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut.

KONSTANTINOV, A. S

PHASE I BOOK EXPLOITATION 868

Andreyev, N.V., Kalyuzhnyy, V.G., Konstantinov, A.S., Livshits, M.P., Manzhos, F.M., Savkov, Ye.I.; Uspasskiy, P.P., Feygina, A.Ya., Chebotarevskiy, V.V., Sheydeman, I.Yu.

Nemetallicheskiye materialy, ikh obrabotka i primeneniye (Nonmetallic Materials, Their Processing and Use) Moscow, Oborongiz, 1949. 535 p. 6,000 copies printed.

Ed. (title page): Kalyuzhnyy, V.G.; Ed. (inside book): Ponomareva, K.A.; Tech. Ed.: Zudakin, I.M.

PURPOSE: This book is intended for students of aviation institutes and other institutes and it may also be useful to engineering technicians dealing with nonmetal materials.

COVERAGE: The book consists of two parts and deals with various nonmetallic materials used in the aircraft industry. The first

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part discusses wooden materials and the second part presents basic information on plastics, adhesives, textiles, paper and rubber. The basic mechanical and chemical properties of nonmetallic materials, their engineering requirements and methods of processing them are presented. The book was written by personnel of the Moscow Aircraft Institute imeni Sergo Ordzhonikidze, the Moscow Aircraft Engineering Institute, the All-Union Scientific Research Institute for Aircraft Materials and other organizations. Chapters I, II, V, and VI were written by Ye. I. Savkov, chapter III by Candidate of Technical Sciences F.M. Manzhos, chapter IV by Candidate of Technical Sciences V.G. Kolyuzhnyy, chapters VII and VIII by Candidate of Technical Sciences A.Ya. Feygina, chapters IX and XI by Professor P.P. Uspasskiy, chapter X by Candidate of Technical Sciences N.V. Andreyev, chapter XII by Candidate of Technical Sciences I.Yu. Sheydeman, and N.V. Andreyev, chapter XIII by Candidate of Technical Sciences I.Yu. Sheydeman, and Engineer A.S. Konstantinov, chapter XIV by Candidate of Technical Sciences V.V. Chebotarevskiy, and I.V. Andreyev, chapter XV by Candidate of Technical Sciences

V.V. Chebotarevskiy, and chapter XVI by Engineer M.P. Livshits and Candidate of Technical Sciences N.V. Andreyev. The authors thank Professor A.V. Shepelyavyy, Professor, Doctor of Chemical Sciences I.P. Losev, Engineers A.A. Babichev, V.S. Bondarev for their assistance in supplying data and reviewing the book, and they also thank Engineer V.P. Leont'yev for his assistance in preparing chapter X, Paper Materials. There are 60 Soviet references.

TABLE OF CONTENTS:

KONSTANTINOV, A. S. PA 33/49T71

USSR/Medicine - Flies Oct 48
Medicine - Taxonomy

"New Type of Subfamily of the Chironominae Found in the Amur River Basin," A. S. Konstantinov, 4 pp

"Dok Ak Nauk SSSR" Vol LXII, No 4

Describes, with drawings, four new types of larvae from mosquito-like flies (Chironomidae): Cryptochironomus latidentatus sp. nov, Cryptochironomus gracilidentatus sp. nov., Cryptochironomus lipini sp. nov., and Polypedilum nopodentatum sp. nov., all listed under

33/49T71

USSR/Medicine - Flies (Contd) Oct 48

subfamily Chironominae. Submitted by Acad K. I. Skryabin, 23 Jul 48.

33/49T71

KONSTANTINOV, A. S. PA 55/49T2

Nov 48

USSR/Biology - [illegible]
Medicine - Entomology

"Chironomidae in the Amur River Basin," A. S. Konstantinov, Lab Ichthyology VNIRO, 4 pp

"Dok Ak Nauk SSSR" Vol LXIII, No 3

1945-1948 Amur expedition of Inst of Zool, Moscow State U obtained data on description of new types of Chironominae (Chironominae g? longifrons sp. nov; and Tanutarsaariae g? bita sp. nov.) and Orthogladiinae (Orthocladiinae g? acutabilis sp. nov. and Smittia microsera sp. nov.). Submitted by Acad K. I. Skryabin 22 Sep 48.

55/49T2

Konstantinov, A. S. Cand Biolog Sci

Dissertation: "Chironomidae of the Amur River Basin and Their Role in the Nourishment of Fish."

9 May 49

Moscow Order of Lenin State U imeni M.V. Lomonosov.

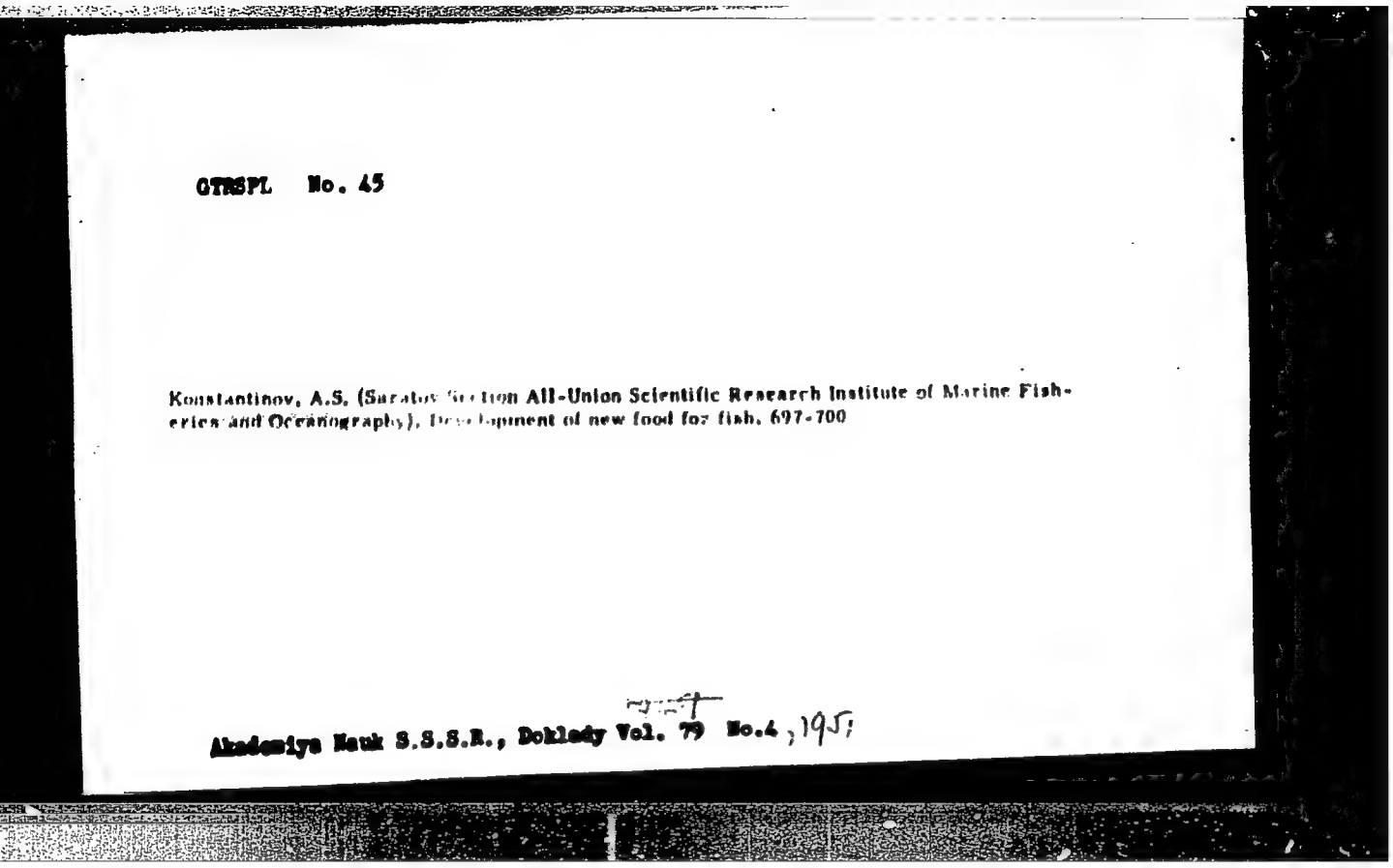
SO Vecheryaya Moskva
Sum 71

KONSTANTINOV, A. S.

Diptera - Borovoye Reservation

History of the chironomid fauna of some lakes of the "Borovoye" Preserve (northern Kazakhstan. Trudy Lab. sapr. otl. No. 5, 1951.

Monthly List of Russian Accessions, Library of Congress, December 1952. UNCLASSIFIED.



OTSPL No. 45

Konstantinov, A.S. (Surator Section All-Union Scientific Research Institute of Marine Fisheries and Oceanography), Development of new food for fish. 697-700

Akademiya Nauk S.S.S.R., Doklady Vol. 79 No.4, 1951

KONSTANTINOV, A. S.

Fish Culture

Partial large-scale propagation of larvae of midges (Chironomus dorsalis). Ryb. khoz. 28 no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED

KONSTANTINOV, A.S.

Chironomidae of the basin of the Ussuri River and Lake Khanka.
Mat. k posn. fauny i flory SSSR. Otd. zool. no.32:381-389 '52
(MIRA 11:4)
1. Saratovskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozyaystva i okeanografii.
(Ussuri River—Chironomidae) (Khanka, Lake—Chironomidae)

KONSTANTINOV, A.S.

New larval forms of Chironomidae from the Amur basin. Mat. k posn. fauny i flory SSSR. Otd. zool. no.32:390-395 '52. (MIRA 11:4)

1. Saratovskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozyaystva i okeanografii.
(Amur Valley--Chironomidae) (Larvae--Insects)

KONSTANTINOV, A.S.

Food of carp in some bodies of water of the Amur basin. Mat. k pozn. fauny i flory SSSR. Otd. zool. no.32:396-402 '52. (MIRA 11:4)

1. Saratovskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozyaystva i okeanografii.
(Amur Valley--Carp) (Fishes--Food)

KONSTANTINOV, A. S.

Diptera

Biology and development of Chironomus dorsalis Meig. Biul. MOIP. Otd. biol./No. 1, 1952
57

Monthly List of Russian Accessions, Library of Congress, June 1952. UNCLASSIFIED.

USSR / General and Special Zoology. Insects. P

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16350

Author : Konstantinov A.S.
Inst : Not given
Title : On the Systematics of the Genus Chironomus Meig. (K sistematike roda Chironomus Meig)

Orig Pub: Tr. Saratovsk. otd. VNIORKH, 1956, 4, 155-191

Abstract: Species diagnosis and definition tables of the larvae pupae and imago of eight species of the genus chironomus were given. Three new species of the genus in three stages (larvae, pupae and imago) : Ch. albidus, Ch. breviantennatus, Ch. heterodentatus were described. A number of quantitative indices increasing the accuracy of species diagnosis were introduced in the diagnosis of adult mosquitoes.

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KONSTANTINOV, A.S.

Nutrition of the larvae of Procladius choreus Meig. (Chironomidae, Diptera) and their detrimental effect on the resources of fish food. Vop.ikht.no.7:193-203 '56. (MIRA 10:3)

1. Saratovskoye otdeleniye Kaspiyskogo filiala Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozyaystva i okeanografii.
(Chironomidae) (Fishes--Food)

P.

USSR/General and Specialized Zoology - Insects.

Abs Jour : Ref Zhur - Biol., No 8, 1958, 35238

Author : Konstantinov, A.S.

Inst : The Institute of Zoology of the Academy of Sciences, USSR.

Title : The Breeding of Chironomides as Live Feed for the Young Fish.

Orig Pub : Tr. probl. i temat. soveshchaniy. Zool. in-t AN SSSR, 1957, vyp. 7, 82-83.

Abstract : A method of mass breeding of Chironomus larvae is used at present in the Saratov division of the All-Union Scientific Institute of Fishing and Occanography and in the Aksay Experimental Station for Fish Breeding.

Card 1/1

KONSTANTINOV, A.S.

Systematics of the larvae of mosquitoes of the genus Chironomus Meig. [with summary in English]. Zool. zhur. 36 no.6:885-893 Je '57. (MIRA 10:8)

1. Saratovskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozyaystva i okeanografii.
(Chironomidae) (Larvae)

AUTHOR: Konstantinov, A. S. SOV/20-120-5-62/67

TITLE: On the Type of Growth of Chironomidae Larvae (O tipe rosta lichinok khironomid)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 120, Nr 5, pp.1151-1154 (USSR)

ABSTRACT: Up to now no publications exist on the character of the growth of the individual larvae of the Chironomidae mentioned above. The type of the growth of the individual insect may be characterized best by the velocity of the process; it can be expressed by several means. It may be computed best by measuring the growth per unit time (Refs 5, 6), as thus the steady growth within infinitesimal periods is recorded. The quantity obtained is called the specific velocity of growth. The analysis of the age variations of this velocity offers the best possibilities for the determination of the rules governing the growth. Thus, the "pure" exponential growth is characterized by the constancy of its specific velocity, the parabolic growth by its decrease which may be expressed by the equation for an equilateral hyperbola. The equation $C_v(t) = k$ (3) by

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Shmal'gauzen (Ref 6) shows that in the case of a parabolic growth the product of the specific velocity of growth multiplied by the age is a constant quantity (constant of growth). The author investigated 6 species of Chironomidae from this point of view. The results are given in table 1. It can be seen from it that the specific velocity of growth of the larvae decreases with their age. This decrease follows a curve very similar to an equilateral hyperbola. Such a change of the velocity of growth is characteristic of the parabolic growth (Ref 6). This conclusion drawn by the author is somewhat in contradiction to the present technical data and also to some results (Ref 7). Observations on the change of the average weight (Refs 1, 3) indicate a growth according to an S-shaped curve. An S-shaped curve is formed also from computing an average value from the changes of weight of the growing individuals and of those which have already stopped growing. Therefore, this curve does not characterize the growth of the individual animals but the change of the entire biomass. The individual growth of all Chironomidae investigated, however, does not have an exponential but a parabolic character. There are 1 table and 9 references, 7 of which are Soviet.

On the Type of Growth of Chironomidae Larvae SOV/20-120-5-62/67

ASSOCIATION: Saratovskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta ozernogo i rechnogo rybnogo khozyaystva (Saratov Department of the All-Union Scientific Research Institute of Sea and River Fisheries)

PRESENTED: March 5, 1958, by I. I. Shmal'gausen, Member, Academy of Sciences, USSR

SUBMITTED: March 4, 1958

1. Chironomidae--Growth 2. Chironomidae--Metamorphosis
3. Mathematics--Applications

Card 3/3

AUTHOR: Konstantinov, A. S. 20-120-6-55/59

TITLE: The Influence of Temperature on the Rate of Growth and Development of Chironomidae Larvae (Vliyaniye temperatury na skorost' rosta i razvitiya lichinok khironomid)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 120, Nr 6, pp 1362 - 1365 (USSR)

ABSTRACT: The Chironomidae larvae have at optimum conditions a parabolic type of growth as was proved earlier (Ref 1) by the author. Further investigations showed that the size of the insects ceases being an exponential function of their age, if the outside temperature deviates from the temperature at which the growth velocity is the highest. The most frequent species: Chironomus annularius and Cricitopus silvestris were used for the observations. At first sight it might be assumed that all given parabolas (Figs 1,2) become more and more concave with the deterioration of the temperature conditions (deceleration of the growth velocity). The attempt to equalize the curves by logarithmation did not confirm the above mentioned final conclusion. The relation between the age and the length of the larvae is expressed

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by a parabolic equation only at optimum temperature conditions. The influence of unfavorable temperatures which distorts the parabolic type of growth of the Chironomidae larvae above all has an effect on young larvae. The more the temperatures approach the optimum ones, the more the period of individual growth will follow an exponential curve. Eventually the growth becomes parabolic. The development of the larvae becomes more accelerated with the temperature rise (up to a certain limit) than their growth. As a consequence of this the final weight of the larvae ready to pupate is abruptly reduced. The experimental results concerning the duration of the development of the larvae are given (Table 1). In order to explain the number of possible generations at certain temperatures the generally known "sum-of-heat rule" is used in entomology. The immediate calculation of the amount of heat which is required for the development of various Chironomidae larvae was not possible, since the threshold temperature below which no development takes place is unknown. These lacking data may, however, be easily calculated. After having calculated the latter the author determined the amount of heat (Table 2). The analysis of these data shows that the

The Influence of Temperature on the Rate of Growth and 20-12o-6-55/59
Development of Chironomidae Larvae

dependence of the duration of the development of the larvae on the temperature agrees very well with the accumulated temperature rule. Therefrom the possible number of the Chironomidae generations can be calculated. There are 2 figures, 3 tables, and 5 references, which are Soviet.

ASSOCIATION: Saratovskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta ozernogo i rechnogo rybnogo khozyaystva (Saratov Department of the All-Union Scientific Research Institute of Lake and River Fisheries.

PRESENTED: February 5, 1958, by I.I.Shmal'gauzen, Member, Academy of Sciences, USSR

SUBMITTED: March 4, 1958

1. Chironomidae--Growth 2. Chironomidae--Metamorphosis 3. Chironomidae--Temperature factors

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KONSTANTINOV, A.S.

Method of estimating the production of animals serving as food of fishes. Nauch.dokl.vys.shkoly: biol.nauki no.4:59-62 '60. (MIRA 13:11)

1. Rekomendovana kafedroy obshchey biologii Saratovskogo meditsinskogo instituta.
(FISHES--FOOD)

KONSTANTINOV, A.S.

Toxic effect of some inorganic acids, salts, and bases on chironomid larvae. Vop. ikht. no.16:183-186 '60. (MIRA 14:4)

1. Saratovskoye otdeleniye Gosudarstvennogo nauchno-issledovatel'skogo instituta ozernogo i rechnogo rybnogo khozyaystva.
(Chironomidae) (Water—Pollution)

KONSTANTINOV, A.S.

Dynamics of the age range and population numbers of main representatives of the family Chironomidae of the Volga River near Saratov. Nauch. dokl. vys. shkoly; biol. nauki no.2:23-29 '61. (MIRA 14:5)

1. Rekomendovana kafedroy obshchey biologii Saratovskogo meditsinskogo instituta.

(VOLGA RIVER—DIPTERA)

KONSTANTINOV, A.S.

Biology of midges of the family Chironimidae. Nauch. dokl. vys. shkoly; biol. nauki no.4:20-23 '61. (MIRA 14:11)

1. Rekomendovana kafedroy biologii Saratovskogo meditsinskogo instituta.

(CHIRONOMIDAE)

KONSTANTINOV, A.S.

Food of some predatory chironomid larvae. Vop. ikht. 1 no.3: 570-582 '61. (MIRA 14:11)

1. Kafedra biologii Saratovskogo meditsinskogo instituta.
(Chironomidae) (Larvae--Insects)

KONSTANTINOV, A.S.

The possibility of using chironomids in cytogenetic analyses.
TSitologiia 3 no. 1:119-121 Ja-F '61. (MIRA 14:2)

1. Kafedra obshchey biologii Saratovskogo meditsinskogo instituta.
(CHIRONOMIDAE) (CHROMOSOMES) (INSECTS AS LABORATORY ANIMALS)

KONSTANTINOV, A.S.; LUZINA, A.V.

Cytological foundations of the growth of chironomid larvae. (MIRA 14:6)
TSitologiia 3 no.3:341-344 My-Je '61.

1. Kafedra biologii Saratovskogo meditsinskogo instituta.
(CHIRONOMIDAE) (LARVAE--INSECTS) (CELLS)

KONSTANTINOV, A. S.

Weight of some aquatic invertebrates as a function of their linear dimensions. Nauch. dokl. vys. shkoly; biol. nauki no.3:17-20 '62. (MIRA 15:7)

1. Rekomendovana kafedroy obshchey biologii Saratovskogo meditsinskogo instituta.

(FRESHWATER FAUNA)

KONSTANTINOV, A.V.

Odontogenic suboutaneous granuloma of the face in children. (MIRA 17:4)
Padiatriia 42 no.8:82-83 Ag '63

1. Iz poliklinicheskogo otdeleniya (zav. - Ye.T.Gorshkova) Detskoy bol'nitsy No.2 (glavnyy vrach V.M. Kotova) Tuly.

KONSTANTINOV, A.V.

Lichen ruber planus in infants. Vest. derm. i ven. 37 no.8: 70-71 Ag '63 (MIRA 17:4)

1. Tul'skiy oblastnoy kozhno-venerologicheskiy dispanser (glavnyy vrach A.N.Vvedenskaya).

KONSTANTINOV, A. V.

Case of gangrenous dermatitis of the face in a 1-year-old child. Pediatriia no.4:87-88 '62. (MIRA 15:4)

1. Iz statsionarnogo otdeleniya (zav. V. I. Gnidin) Tul'skogo oblastnogo kozhnovenerologicheskogo dispansera (glavnyy vrach A. N. Vvedenskaya)

(FACE—NECROSIS) (GANGRENE)

AUTHOR: Konstantinov, A. V. SOV/20-120-5-61/67

TITLE: ~~Apospory in the~~ Apple Tree (Aposporiya u yabloni)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 120, Nr 5, pp.1147-1150 (USSR)

ABSTRACT: Apospory is one of the types of apomixis and is observed only rarely in the flora. A survey of publications and a definition are given. Apospory is divided into three groups: a) the aposporous embryo sacs form from archesporous cells (generative apospory), b) aposporous formations which form from the cells of the nucellus or of the integuments (somatic apospory), c) all cases in which the origin of apospory is difficult to determine (special cases). The author investigated embryologically 9 species of apple trees (summer, autumn, and winter species) near Leningrad. In the case of 7000 ovula he observed 58 % of aposporous formations. They were always placed in the chalazal part and could form in the living ovulum at any time. Generative apospory (Fig 1) was the most frequent. On the occasion of a simultaneous division of several archesporous cells an aposporous complex forms in

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the chalazal (Fig 2). Only mitotic cell divisions and never amitosis were observed (contrary to Ustinova, Ref 4). Only in very few cases the author could denote the apospory of the apple tree as somatic. As is known it is rather difficult to distinguish between type a) and b). Contrary to Gorchinskiy (Ref 7) the author was able to observe the formation of archesporous cells also under the presence of a well developed embryo sac. Probably the nucellus is always able to produce archesporous cells. In all cases the archesporous embryo sacs form from archesporous cells. Therefore, the above-mentioned subdivision of apospory is artificial. The number (percentage) of the aposporous formations with the apple tree fluctuates from year to year according to temperature conditions (in 1956 - 37 %, 1957 - 70 % of the ovulum). In both years apospory was observed more frequently in early growing species. In the case of later growing species a retardation of fertilization is observed more rarely. In middle and southern latitudes apospory of the ovula did not surpass 15 %. Aposporous embryo sacs very seldom have 8 nuclei (Fig 3). Their development usually stops after the formation of 4 nuclei. The development of aposporous formations stops after completed fertilization. They degenerate quickly. It

can be alleged that the apospory exerts the substitutional function of an ageing female gametophyte although the possibility of such a substitution remains merely hypothetical. There are 3 figures, and 11 references, 4 of which are Soviet.

ASSOCIATION: Vsesoyuznyy institut rasteniyevodstva (All Union Institute of Plant Breeding)

PRESENTED: March 24, 1958, by A. L.Kursanov, Member, Academy of Sciences, USSR

SUBMITTED: March 22, 1958

1. Trees—Physiology 2. Seeds—Physiology 3. Seeds—Temperature factors 4. Cells (Biology)—Cytology

TITLE: Apospory

KONSTANTINOV, A. V.: Master Biol Sci (diss) -- "The biology of inflorescence and fruiting of certain types of apples". Leningrad, 1959. 18 pp (All-Union Order of Lenin Acad Agric Sci im V. I. Lenin, All-Union Inst of Plant Growing), 150 copies (KL, No 17, 1959, 107)

KONSTANTINOV, A.V.

Embryology in some apple varieties. Izv.AN SSSR. Ser.biol. no.2:256-264 Mr-Ap '60. (MIRA 13:6)

1. The Union Research Institute of Plant Breeding, Leningrad.
(APPLE) (BOTANY--EMBRYOLOGY)

KONSTANTINOV, A.V.; SAUTKINA, T.A.; SEMERIKHINA, S. Ye.

Some characteristics of pea endosperm. Dokl. AN BSSR 9 no. 4: 258-261 Ap '65 (MIRA 19:1)

1. Belorusskiy gosudarstvennyy universitet imeni Lenina. Submitted September 23, 1964.

KONSTANTINOV, B.

Apparatus for oiling rags. p. 21.
(Ratsionalizatsiia, Vol. 6, no. 12, Dec. 1956, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

KONSTANTINOV, B.

USSR/Electronics - Receivers Aug 52
Riga Radio Plant imeni Popov

"The Riga-6 Radio Receiver," B. Konstantinov

"Radio" No 8, pp 27-30

The Riga Radio Plant imeni Popov is producing the Riga-6, a 2d class receiver. The set has long-, medium-, and 2 short-wave (40.5-75.9 m and 24.7-32 m) bands; it has a phono jack and is adapted for a 2d speaker. Editors criticize set severely, mainly because of its cabinetry.

226T27

KONSTANTINOV, B.

TECHNOLOGY

Periodical: IZVESTIIA. No. 5/6, 1958/

KONSTANTINOV, B. A method for calculating the installation tables in electric wiring. p. 415.

Monthly List of East European Accession (EEAI), LC., Vol. 8, No. 2, February 1959, Unclass.

KONSTANTINOV, B.

Close connection with life. Grazhd.av. 18 no.1:30 Ja '61.
(MIRA 14:3)
(Aeronautics—Study and teaching)

KONSTANTINOV, B.

Analytic method of approximation for computing the dynamic stability in simpler circuits. p. 257.

IZVESTIIA. Bulgarska akademiia na naukite. Tekhnicheski institut. Sofiia, Bulgaria, Vol. 7/8, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, No. 1, January 1960.

Uncl.

KONSTANTINOV, B.; PETKOV, L.; LAZAROVSKI, S.

The question of reconst ucting the Bulgarian 60 kw. electric system to 110 kw. voltage. p. 18.

Spravochnik po tsvetni metali i splavi. Sofiia, Bulgaria. Vol. 10, no. 8/9, Aug./Sept. 1959.

Monthly List of East European Accessions (EEAI), LC , Vol. 9, No. 2, February, 1960. Uncl.

KONSTANTINOV, B., akad.

A shocking device. Nauka i tekh mladezh 15 no. 2:8-10 F '63.

KONSTANTINOV, Boris, inzh.; GUGOV, P.

The modeling of certain complex grounding installations in an electrolytic bath. Izv Inst energ RAN 5:163-188 '63.

KONSTANTINOV, Boris, inzh.

Number of IV-6 insulators in the insulating strings of 220kv. lines according to the draft of the regulations on the layout of electric installations. Elektroenergiia 14 no.11:9-12 N'63.

KONSTANTINOV, Boris, inzh.

Advantageous grounding installation for high voltage substations with strong current of ground connection and its computation. Elektroenergiia 12 no.10:3-6 '61.

1. Institut po elektroenergetika pri Bulgarskata akademiia na naukite.

(Electric current)

KONSTANTINOV, Boris, inzh.

Computing the maximum time of a cycle of reclosing circuit breakers without the control of synchronism. Izv Inst energ BAN 1:67-93 '61.

1. Chlen na Redaktsionnata kolegiia, "Izvestiia na Instituta po energetika."

42338 KONSTANTINOV, B. A. - Skorostnoye rezaniye na zavode im. frunze v sb: Opyt novatorov mashinostroyeniya. kuybyshev, 1948, s. 26-38.

SO: Letopis' Zhurnal'nykh Statey, Vol. 47, 1948.

KONSTANTINOV, B.A. (Engr.)

"Manufacturing an Assembly Tool by Welding on the Cutters."

Report presented at the 13th Scientific Technical Conference of the Kuybyshev Aviation Institute, March 1959.

KONSTANTINOV, Boris, inzh.

Mechanical computation of conductors with great distance between the poles. Izv Inst energ BAN 3:91-114 '62.

1. Chlen na Redaktsionnata kolegiia, "Izvestiia na Instituta po energetika".

KAMENSKIY, M.D. [author]; KONSTANTINOV, B.A., inzhener; NIKOGOSOV, S.N., kandidat tekhnicheskikh nauk; KHOLMSKIY, V.G., kandidat tekhnicheskikh nauk; AYZENBERG, B.L., kandidat tekhnicheskikh nauk; BYKOV, N.G., inzhener [reviewers].

"Electric systems." M.D.Kamenskii. Reviewed by B.A.Konstantinov, S.N. Nikogosov, V.G.Kholmskii, N.G.Bykov. Elek.sta. 24 no.9:62-64 S '53. (MLRA 6:8)

(Kamenskii, M.D.) (Electric networks)

AYZENBERG, Boris L'vovich; KONSTANTINOV, B.A., redaktor; MELENT'YEVA, Ye.A., redaktor; VOROMETSKAYA, L.V., tekhnicheskiy redaktor.

[Safety fuses for equipment up to 1000 volts.] Plavkie predokhraniteli v ustanovkakh napriazheniem do 1000 vol't. Moskva, Gos.energ.izd-vo 1955. 143 p. (MLRA 9:1)
(Electric fuses)

KONSTANTINOV, Boris Alekseyevich; LUK'YANOV, Tikhon Petrovich; SAPAROVA, A.L., redaktor; LARIONOV, G.Ye., tekhnicheskiy redaktor.

[Operation of electrical equipment of industrial enterprises] Ekspluatatsiia elektroustanovok promyshlennykh predpriiatii. Moskva Gos.energet. izd-vo, 1955. 383 p. (MLRA 8:8)
(Electric engineering)

KONSTANTINOV, B.A.

Use of plastic coatings and jackets for protection of gas pipelines against corrosion. Gaz.prom. 5 no.1:54-56 Ja '60. (MIRA 13:4)
(Gas pipes--Corrosion) (Protective coatings)

SOV/112-57-6-12236

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1957, Nr 6, pp 78-79 (USSR)

AUTHOR: Konstantinov, B. A.

TITLE: Some Problems in Determining the Electric Energy Consumption by an Industrial Area for a Future Period (Nekotoryye voprosy metodiki opredeleniya potrebleniya elektroenergii promyshlennym rayonom na perspektivnyy period)

PERIODICAL: Tr. Lening. inzh.ekonom. in-ta, 1956, Nr 11, pp 5-13

ABSTRACT: A "balance method" underlies the methodology of determining electric-energy consumption by individual branches of the Soviet. A prospective electricity balance is compiled for a long period ahead, for a number of years, and is used as a basis for deploying and selecting the capacity of new electric power stations and expanding existing stations. Recommendations are given for the selection of initial data for determining electric-energy consumption by various branches of Soviet economy. The above method of determing future electric-energy consumption is based on a planwise development of various

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8 (3)

SOV/112-57-5-10159

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1957, Nr 5, pp 82-83 (USSR)

AUTHOR: Konstantinov, B. A., Printsev, A. A.

TITLE: Rational Use of Electric Energy in Industrial Plants in Order to Mobilize the Internal Energy Resources (Puti ratsional'nogo ispol'zovaniya elektroenergii na promyshlennykh predpriyatiyakh v tselyakh modernizatsii vnutrennikh energeticheskikh resursov)

PERIODICAL: Tr. Leningr. Inzh.-Ekon. in-t, 1956, Nr 11, pp 37-44

ABSTRACT: A considerable part of the electric energy used in the national economy is consumed by industrial plants where rational utilization of energy carriers depends on their correct choice. It is stated that the selection of an energy carrier should be made on the basis of engineering-and-economic estimates, with electrical-energy resources at the point of installation taken into account. Data on the demand factor, utilization factor, and weighted mean

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KONSTANTINOV, B. A.

SERBINOVSKIY, G.V., inzhener; KONSTANTINOV, B.A., kandidat tekhnicheskikh nauk.

Determining expected power requirements for a given period. Elektrichestvo no.1:81-84 Ja '57. (MLRA 10:2)
(Electric power)

KONSTANTINOV, B.A.

105-9-29/32

AUTHOR: Konstantinov, B.A., Candidate of Technical Sciences
TITLE: Department of Electric Supply of the Industrial Plants of the NTOEP (V sektsii elektrosnabzheniya promyshlennykh predpriyatiy NTOEP)
PERIODICAL: Elektrichestvo, 1957, Nr 9, pp 88-90 (USSR)

ABSTRACT: A scientific-technical consultation on problems of the determination of electrical loads and voltage control in industrial plants took place in May 1957 at Leningrad. 300 persons participated in this consultation. The lectures on electrical loads were devoted to the theoretical argumentation and the results of investigating the various methods for the determination of the electrical loads in industrial operations in practice. Special attention was paid to the analysis of those methods which were worked out by Soviet specialists on the probability theory. It was decided on March 1st 1958 to publish the project for the instruction for the determination of electrical loads in industrial plants and to debate on them at first organizations of the society as well as in technical periodicals.

ASSOCIATION: Department of Electric Supply of Industrial Plants of the NTOEP (Sektsiya elektrosnabzheniya prompredpriyatiy NTOEP)
AVAILABLE: Library of Congress

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PRINTSEV, A.A., inzhener; PETROV, V.Ya.; YEGOROV, V.V.; LAMANOV, K.A.; KONSTANTINOV, B.A., kandidat tekhnicheskikh nauk.

Rates for electric power. Prom.energ. 12 no.1:18-22 Ja '57.
(MLRA 10:2)

1. Energosbyt Leningradskoy elektroenergeticheskoy sistemy (for Printsev, Petrov) 2. Energosbyt Estonskoy elektroenergeticheskoy sistemy (for Yegorov) 3. Leningradskiy pivovarennyy zavod (for Lamanov) 4. Leningradskiy inzhenerno-tekhnicheskiy institut (for Konstantinov).
(Electric utilities--Rates)

KONSTANTINOV, B.A.

BELOV, N.N.; BOL'SHAM, Ya.M.; GORDEYEV, A.N.; GRACHEV, V.A.; YERMILOV, A.A.; ZALESSKIY, A.M.; KIZNETTER, Ye.N.; KNORRING, G.M.; KONSTANTINOV, B.A.; KOPYTOV, N.V.; LEVIT, G.O.; MILLER, G.P.; NAYFEL'D, M.P.; PRINTSEV, A.A.; SERBINOVSKIY, G.V.; SOKOLOV, B.A.; STASILOYTS, A.B.; TAYTS, A.A.; KHRAMUSHIN, A.M.

Mikhail Konstantinovich Kharchev; obituary. Belov and others. Prom. energ. 12 no.12:33 D '57. (MIRA 10:12)
(Kharchev, Mikhail Konstantinovich, 1896-1957)

AYZENBERG, B.L., kandidat tekhnicheskikh nauk, dotsent; DMITRIYEV, V.M., inzhener; KONSTANTINOV, [redacted] kandidat tekhnicheskikh nauk, dotsent; NIKOGOSOV, S.N., kandidat tekhnicheskikh nauk, dotsent.

Principles for efficient construction of high, medium and low tension electric networks for cities. Trudy LIEI no.16:90-145 '57.
(Electric power distribution) (MLRA 10:8)

KOZLOV, Vladimir Alekseyevich. KONSTANTINOV, B.A., red.; ZABRODINA, A.A., tekhn.red.

[Methods of technical and economic design of city electric power distribution networks] Metodika tekhniko-ekonomicheskikh raschetov gorodskikh raspredelitel'nykh elektrosetei. Moskva, Gos. energ.izd-vo, 1958. 87 p. (MIRA 11:8)
(Electric networks)

AYZENBERG, B.L.; DMITRIYEV, V.M.; KLEBANOV, L.D.; KONSTANTINOV, B.A., red.; KONONOVICH, D.P., tekhn. red.

[Methods for determining and lowering electric power losses in electric networks] Voprosy metodiki opredeleniia i snizheniia poter' elektroenergii v elektricheskikh setiakh. Pod red. B.A. Konstantinova. Leningrad, 1958. 119 p. (Leningradskii inzhenerno-ekonomicheskii institut. Trudy, no.21). (MIRA 11:6)
(Electric networks)

KONSTANTINOV, B.A., kand.tekhn.nauk

Principle problems in the efficient use of electric power in industry. Prom. energ. 13 no.5:1-3 My '58. (MIRA 11:8)
(Electric power)

KONSTANTINOV, B.A.

Detector of gas leaks in city gas-pipe systems. Gaz.prom. 4 no.8:54 Ag '59. (MIRA 12:11)

(United States--Gas-pipes)

KONSTANTINOV, B.A. dotsent, kand.tekhn.nauk; AYZENBERG, B.L., dotsent, kand.tekhn.nauk; KLEBANOV, L.D., kand.tekhn.nauk; NIKOGOSOV, S.N., dotsent, kand.tekhn.nauk; BARDIN, M.I., inzh.; KOROLEV, V.A., inzh.; PRINTSEV, A.A., inzh.; SOKOLOVA, K.I., inzh.; SHULYAT'YEVA, G.N., inzh.; ROZENBERG, B.I., prof., doktor tekhn.nauk [deceased]; BYKOV, N.G., inzh.; ZEYLIGER, A.N., inzh.; ZABRODINA, A.A., tekhn.red.

[Collected information data regarding the power factor ($\cos\varphi$)] Sbornik informatsionnykh materialov po koeffitsientu moshchnosti ($\cos\varphi$). Pod red. B.A.Konstantinova. Moskva, Gos.energ.izd-vo, 1959. 141 p. (MIRA 12:12)

1. Leningrad. Leningradskiy inzhenerno-ekonomicheskiy institut. 2. Leningradskiy inzhenerno-ekonomicheskiy institut (for Konstantinov, Ayzenberg, Klebanov, Nikogosov). 3. Energosbyt Lenenergo (for Bardin, Korolev, Printsev, Sokolova, Shulyat'yeva). 4. Leningradskiy politekhnicheskiy institut (for Rozenberg). 5. Leningradskoye otdeleniye instituta "Teploelektroproyekt" (for Bykov, Zeyliger).
(Electric engineering)

KONSTANTINOV, B.A.

Basic problems concerning the efficient use of electric power in industry. Trudy LIEI no.33:143-157 '60. (MIRA 14:8)
(Electric power distribution) (Electric power)

MILLER, Georgiy Rudol'fovich; KONSTANTINOV, B.A., kand. tekhn.nauk, dots., retsenzentu; SMIRNOV, A.M., red.; ZHITNIKOVA, O.S., tekhn. red.

[Automatic control in industrial electric power supply systems] Avtomatizatsiia v sistemakh elektrosnabzheniia promyshlennykh predpriiatii. Moskva, Gos. energ. izd-vo, 1961. 175 p. (MIRA 14:8)

(Electric power distribution) (Automatic control)

KONSTANTINOV, B. A.

Cand Med Sci - (diss) "Experimental evaluation of hypothermy, cavapulmonary anastomosis and extra-corporal blood circulation, applicable to operations on the open heart." Moscow, 1961. 19 pp; (Second Moscow State Med Inst imeni N. I. Pirogov); 250 copies; price not given; (KL, 10-61 sup, 225)

KONSTANTINOV, B.A.

Cloth filters for gas purification. Gaz. prom. 5 no.5:51-52 My '60. (MIRA 14:11)

(Gases--Purification)

KONSTANTINOV, B.A.

Underground storage of gas in the U. S. Gaz. prom. 5 no.5:52-53 My '60. (MIRA 14:11)
(United States--Gas, Natural--Storage)

S/196/62/000/003/005/012
E194/E155

AUTHORS: Gurvich, S.M., and Konstantinov, B.A.

TITLE: Remote control of filters with group automatic control

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.3, 1962, 14-15, abstract 3 G122. (Elektr. stantsii, no.6, 1961, 29-32).

TEXT: The MO TsKTI has developed an additional device for the automatic group control system of ionite filters (see Elektr. stantsii no.9, 1959) by means of which filters that have become exhausted can be disconnected from the mains and connected to the automatic regeneration unit by remote control from a central panel. The operation of reconnection of the filter is checked by means of a hydraulic volume-signalling device, external to the filter, which operates according to the amount of water flowing from the valves of the hydraulic drive.

[Abstractor's note: Complete translation.]

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KONSTANTINOV, B.A., kand.tekhn.nauk

"Problems of safety in electrical engineering" by V.E. Manoilov. Reviewed by B.A. Konstantinov. Elektrichestvo no.10:94-95 O '61. (MIRA 14:10)

(Electric engineering--Safety measures)
(Manoilov, V.E.)

KONSTANTINOV, B.A.; PRINTSEV, A.A.

Experience of enterprises in Leningrad in the efficient use of electric power. Prom. energ. 16 no.8:6-9 Ag '61. (MIRA 14:9)
(Electric power)

GURVICH, S.M., inzh.; KONSTANTINOV, B.A., inzh.

Remote control switching of filters in a system with automatically controlled filter groups. Elek.sta. 32 no.6:29-32 Je '61.
(MIRA 14:8)

(Feed-water purification) (Filters and filtration)
(Remote control)

KONSTANTINOV, B.A.

Scientific and technical conference on electric power supply to industrial enterprises. Prom.energ. 17 no.7:55-56 Jl '62.
(MIRA 15:7)

(Electric power distribution--Congresses)

KONSTANTINOV, B.A.

Scientific and technical conference on the electric power supply of industrial enterprises. Elektrichestvo no.8:93-95 Ag '62. (MIRA 15:7)
(Electric power distribution--Congresses)